

1/5

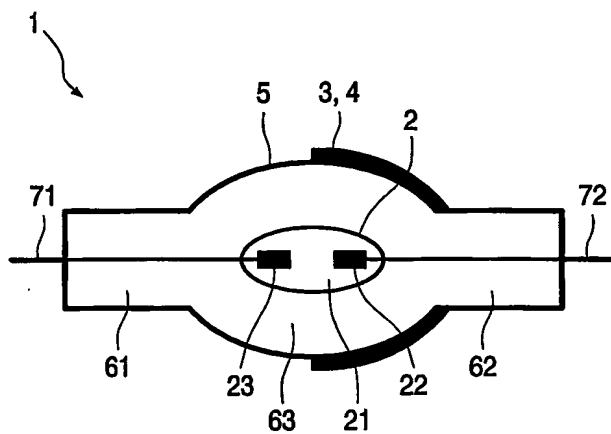


FIG. 1.1

2/5

Layer	Material	Thickness(nm)
Substrate	Quarz	
1	SiO ₂	50.00
2	ZrO ₂	98.10
3	SiO ₂	119.10
4	ZrO ₂	88.50
5	SiO ₂	114.70
6	ZrO ₂	79.20
7	SiO ₂	119.20
8	ZrO ₂	87.90
9	SiO ₂	135.90
10	ZrO ₂	81.30
11	SiO ₂	103.50
12	ZrO ₂	73.90
13	SiO ₂	110.50
14	ZrO ₂	73.70
15	SiO ₂	79.20
16	ZrO ₂	54.20
17	SiO ₂	95.30
18	ZrO ₂	73.40
19	SiO ₂	100.30
20	ZrO ₂	66.30
21	SiO ₂	85.10
22	ZrO ₂	55.80
23	SiO ₂	77.90
24	ZrO ₂	58.60
25	SiO ₂	82.10
26	ZrO ₂	48.70
27	SiO ₂	57.50
28	ZrO ₂	55.20
29	SiO ₂	86.40
30	ZrO ₂	60.50
31	SiO ₂	63.10
32	ZrO ₂	37.00
33	SiO ₂	513.50

FIG.1.2

3/5

Layer	Material	Thickness(nm)
Substrate	Quarz	
1	SiO ₂	131.84
2	ZrO ₂	46.19
3	SiO ₂	86.06
4	ZrO ₂	6.7
5	SiO ₂	79.86
6	ZrO ₂	58.83
7	SiO ₂	51.62
8	ZrO ₂	9.62
9	SiO ₂	94
10	ZrO ₂	68.64
11	SiO ₂	167.58
12	ZrO ₂	47.84
13	SiO ₂	117.85
14	ZrO ₂	16.61
15	SiO ₂	50.18
16	ZrO ₂	61.48
17	SiO ₂	136.41
18	ZrO ₂	79.04
19	SiO ₂	108.51
20	ZrO ₂	83.66
21	SiO ₂	127.65
22	ZrO ₂	82.82
23	SiO ₂	135.36
24	ZrO ₂	73.92
25	SiO ₂	96.96
26	ZrO ₂	67.14
27	SiO ₂	103.75
28	ZrO ₂	69.36
29	SiO ₂	89.59
30	ZrO ₂	67.88
31	SiO ₂	98.98
32	ZrO ₂	74.34
33	SiO ₂	105.54
34	ZrO ₂	62.58
35	SiO ₂	80.87
36	ZrO ₂	57.94
37	SiO ₂	81.94
38	ZrO ₂	57.68
39	SiO ₂	75.1
40	ZrO ₂	49
41	SiO ₂	74.85
42	ZrO ₂	58.29
43	SiO ₂	76.34
44	ZrO ₂	47.95
45	SiO ₂	69.43
46	ZrO ₂	59.28
47	SiO ₂	86.61
48	ZrO ₂	46.57
49		

FIG.2

4/5

Layer	Material	Thickness(nm)
Substrate	Quarz	
1	SiO ₂	59.03
2	ZrO ₂	44.66
3	SiO ₂	29.01
4	ZrO ₂	27.25
5	SiO ₂	104.5
6	ZrO ₂	72.74
7	SiO ₂	29.84
8	ZrO ₂	20.15
9	SiO ₂	71.45
10	ZrO ₂	91.25
11	SiO ₂	150.74
12	ZrO ₂	54.19
13	SiO ₂	132.37
14	ZrO ₂	15.19
15	SiO ₂	45.94
16	ZrO ₂	33.33
17	SiO ₂	194.53
18	ZrO ₂	69.2
19	SiO ₂	105.7
20	ZrO ₂	84.27
21	SiO ₂	114.74
22	ZrO ₂	80.71
23	SiO ₂	150.2
24	ZrO ₂	68.48
25	SiO ₂	98.95
26	ZrO ₂	75.88
27	SiO ₂	101.47
28	ZrO ₂	63.41
29	SiO ₂	91.81
30	ZrO ₂	67.74
31	SiO ₂	98.56
32	ZrO ₂	74.74
33	SiO ₂	101.32
34	ZrO ₂	63.57
35	SiO ₂	74.36
36	ZrO ₂	51.69
37	SiO ₂	80.51
38	ZrO ₂	58.33
39	SiO ₂	80.3
40	ZrO ₂	55.42
41	SiO ₂	75.17
42	ZrO ₂	51.19
43	SiO ₂	59.02
44	ZrO ₂	46.44
45	SiO ₂	81.14
46	ZrO ₂	62.09
47	SiO ₂	88.75
48	ZrO ₂	50.23
49	SiO ₂	1163

FIG.3

5/5

Layer	Material	Thickness(nm)
Substrate	Quarz	
1	SiO ₂	151.43
2	ZrO ₂	37.66
3	SiO ₂	149.54
4	ZrO ₂	66.79
5	SiO ₂	110.14
6	ZrO ₂	93.52
7	SiO ₂	117.38
8	ZrO ₂	88.88
9	SiO ₂	116.51
10	ZrO ₂	76.72
11	SiO ₂	118.23
12	ZrO ₂	90.96
13	SiO ₂	119.81
14	ZrO ₂	86.07
15	SiO ₂	106.82
16	ZrO ₂	72.03
17	SiO ₂	143.65
18	ZrO ₂	22.93
19	SiO ₂	572.31
20	ZrO ₂	63.23
21	SiO ₂	103.91
22	ZrO ₂	80.34
23	SiO ₂	79.08
24	ZrO ₂	68.33
25	SiO ₂	61.45
26	ZrO ₂	73.94
27	SiO ₂	105.88
28	ZrO ₂	66.43
29	SiO ₂	92.06
30	ZrO ₂	59.91
31	SiO ₂	71.49
32	ZrO ₂	62.9
33	SiO ₂	120.8
34	ZrO ²	58.68
35	SiO ²	109.5
36	ZrO ²	35.06
37	SiO ²	393.23
38	ZrO ²	42.58
39	SiO ²	87.7
40	ZrO ²	53.39
41	SiO ²	71.32
42	ZrO ₂	58.72
43	SiO ₂	58.65
44	ZrO ₂	58.57
45	SiO ₂	78.52
46	ZrO ₂	42.8
47	SiO ₂	91.05
48	ZrO ₂	35.55
49		

FIG.4